



- Compact design
- High ranges
- Weatherproof (optional)
- Best suitable for OEM

Applications

- Hydraulic & pneumatic equipments
- Automobiles & earth movers

Specifications

Standard Version

Repeatability : ± 2% F. S.

Sensing element : Piston actuated diaphragm

Sensing element material : Neoprene

Process connection & : 1/4" BSP (M) of SS

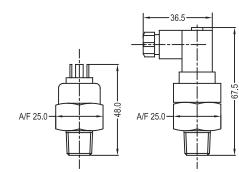
body material

Overpressure Limit : 130% of F.S.

Switch : 1 SPST (1 NO contact only)
Switch rating : 5A @ 250 VAC / 24 VDC
Electrical terminals : Spade terminals
Differential : 10% to 20% of the F.S.

Maximum process temperature : 100°C Ambient temperature : -10 to 60°C

Dimensional Details



Notes: • Drawings are not to scale. • All Dimensions are in mm.

How '	To Order											Example
Basic	model											
Range	•											
Order Cod	0	D	ifferen (bar)		Range (bar)							XX OR
10	1 to 10		40		5 to 70)						XXX
20	2 to 30		50		10 to 10	00						
30	4 to 50											
Body I	Material											
R	Stainless steel (sta	andard)	S	;	AISI 316 SS		L		AISI 316L S	SS		X
Sensir	ng Element											
N 1	Neoprene (Standa	·d)	S	;	AISI 316 SS		Т		TEFLON			X
Proces	ss Connection											
1BM	1/8" BSP (M)		1NM	1/8	3" NPT (M)	2BM	1/4" BSP (M)	(S	tandard)	2NM	1/4"NPT (M)	XXX
Option	ıs											
F1	Extension cable -	Meter	F	2	Extension cabl	e - 2 M	eters DN	١	DIN Conne	ctor with	IP 65	XX

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.





- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

Applications

- Filter monitoring, boiler, furnace, railway engines
- Oil & gas, conventional & nuclear power plants, mines, iron & steel plants, refineries, petrochemical, food & pharmaceutical, chemical & fertilizer, cement, textile, pumps, glass, paint, pulp & paper, marine industries.

Specifications

Standard Version

Repeatability ± 0.5% F. S.

Scale unit bar

Range Refer "how to order"

Set point Between 20 to 80% F. S. for better performance

Overpressure limit 150% of F. S. Differential Fixed Mounting Direct / Panel

Process connection 1/4" NPT (F) Enclosure protection W/P to IP 66

Enclosure material Pressure die cast aluminum

Maximum process temperature 150 °C Ambient temperature -10 to 60 °C

Switch 1 SPDT, snap action micro switch Switch rating 15 A, 250 VAC, 0.2 A, 220 VDC

High voltage strength 0.5 to 0.6 KV between open contacts and 2 KV between contacts and body

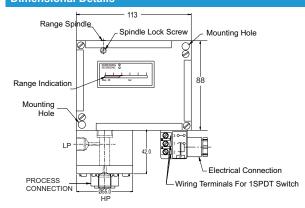
Insulation resistance >100 M ohms at 500 V Sensing element Piston actuated diaphragm

DP chamber material Aluminum (for range 5 to 600 mbar)

AISI 316 SS (for range 3 to 20 mbar & 1 to 25 bar)

Sensing element material AISI 316L SS PG 13.5 mm Cable gland Scale Accuracy ± 1.0% F. S. Conformity BS 6134

Dimensional Details



Notes: • Drawings are not to scale. • All Dimensions are in mm.

01-10-13

Diferential Pressure Switch (Weather Proof) *Diaphragm Type*



low To	Order						Exan
asic Mo	del						
lange (* /	Also available in AISI 316 S	S & AISI 316L ve	rsion. Refer DP	chamber mater	rial)		
Order Cod	9	DP Chamber Material	Ordering Code	Range (bar)	DP Chamber Material		
W020 W060 W100 W250 W400 W600	5 to 60 10 to 100 25 to 250 40 to 400	AISI 316 SS Aluminum* Aluminum* Aluminum* Aluminum* Aluminum*	P001 P002 P004 P006 P010 P016	0.1 to 1 0.2 to 2 0.4 to 4 0.6 to 6 1 to 10 1 to 16	AISI 316 SS AISI 316 SS AISI 316 SS AISI 316 SS AISI 316 SS AISI 316 SS		XX
Jota : Oth	ner equivalent scale units lik	re kalam² kPa M	Pa nei mmWC	2 to 25	AISI 316 SS		
	ber Material	e ky/ciii , kra, ivi	ra, psi, minivo	etc can be prov	nueu on request.		
AL AL	UMINUM (Standard for Ra SI 316 SS (Standard for Ra	•	• /	AISI 316L S	S		XX
Sensing I	Element Material						
SL A	AISI 316L SS (Standard)						X
Differenti	<u> </u>						
Note : 1 S 2 S 1 D	xed (Standard) PDT = 3 to 5% FS PDT = 4.5 to 7.5% FS PDT = 4.5 to 7.5% FS licro Switch						×
S 1	SPDT 2S	2 SPDT	1D	1 DPDT			X
/licro Sw	itch Rating						
Switch Code	Description	AC Rating	AC Rating (Resistive)	DC Rating (Inductive)	Available on 1 SPDT	Available on 2 SPDT	
GPL	Low dead band and fixed	15 A 250 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V	Fixed differential of ZDD	Fixed differential of ZDD	XX
GPH	Standard dead band	15 A 250 V	6 A 24V 0.5 A 110 V 0.25 A 220 V	5 A 24 V 0.05 A 110 V 0.03 A 220 V	Fixed differential of ZDD	Fixed differential of ZDD	
GPA	Adj. differential micro switch	15 A 250 V			Adj. differential of of ZDD	NA	
GPG	Gold plated contact	1 A 125 V	0.5 A 28 V		Fixed differential of ZDD	Fixed differential of ZDD	
SES	Environmentally sealed silver contact	15 A 250 V	0.4 A 125 V		Fixed differential of ZDD	Fixed differential of ZDD	
SEG	Environmentally sealed silver contact		1 A 28 V		Fixed differential of ZDD	Fixed differential of ZDD	
HSS	Hermetically sealed silver plated	4 A 230 V	3 A 28 V	2 A 24 V	Fixed differential of ZDD	Fixed differential of ZDD	
HSG	Hermetically sealed	1 A 125 V	NA	NA	Fixed differential of	Fixed differential of	

ZDD

ZDD

Fixed differential of

Fixed & adjustable

differential of ZDD

6 A 125 V

ZDD

ZDD

NA

Fixed differential of

HDC

DPD

gold plated

High DC rating

DPDT Micro switch

10 A 125 V

10 A 125 V

10 A 125 V

0.2 A 250 V

Design and specifications subject to change without notice

Diferential Pressure Switch (Weather Proof) Diaphragm Type



Hov	w To Order										Example
Calil	oration										
Ī	Increasing D D	ecreas	ing								Х
Proc	cess Connections (* Pleas	se men	tion the flange face	and fla	nge finish)						
		Throu	gh adaptors		Flange	d (As pe	r AN	ISI B 16.5)*			
2NM	1/4" NPT (M)	3BM	3/8" BSP (M)	B09	1⁄2" 150 #	B21	1'	' 150 #	B39	2" 150 #	
2NF	1/4" NPT (F) (Standard)	3BF	3/8" BSP (F)	B10	1/2" 300 #	B22	1'	300 #	B40	2" 300 #	
		4BM	½" BSP (M)	B11	1⁄2" 600 #	B23	1'	' 600 #	B41	2" 600 #	XXX
		4BF	½" BSP (F)	B15	3/4" 150 #	B33	1	1⁄2" 150 #	B51	3" 150 #	^^^
		4NM	½" NPT (M)	B16	3/4" 300 #	B34	1	1⁄2" 300 #	B52	3" 300 #	
		4NF	½" NPT (F)	B17	3/4" 600 #	B35	1	1⁄2" 600 #	B53	3" 600 #	
Cabl	le Entry										
DIN	DIN Connection*	ETE	3/4" ET		ECB 3/4"	ET DCC	G B	rass	4PN	4 PIN Connection*	
PGE	PG 13.5 (Std)	2NP	1/2" NPT (F)		NPB 1/2"N	PT DCC	G B	rass	7PN	7 PIN Connection	XXX
	3/4" ET DCCG SS · 1 SPDT	NPS	½"NPT DCCG SS								
Opti	ons										
PW	Calibration certificate		W	M W	all mounting	bracket (stee	el plated)			
SX	SS Tag plate		PN	1 2"	Pipe mounti	ng .					207
TF	Conformity as per NACE	Stand	ard JU	2"	Pipe/yoke m	ounting l	orac	ket & 'U' cla	ımp (AIS	SI 304 SS)	XX
GH	Material test certificates*	**	FN	l 2"	Pipe/yoke m	ounting I	brac	ket & 'U' cla	amp (AIS	SI 316 SS)	
SG	Oxygen service		PU	J Ca	alibration cert	ificate tra	cea	ble to natio	nal / inte	ernational standards	
Acce	essories (refer individua	l datas	heet for complete	specif	ications)						
EB	Cooling tower	ED	Overload protecto	r	EG Sn	ubber					
EC	Gauge cock	NV4	Needle valve		EH Sy	phon					
DS	Diaphragm seals	EL	Cooling capillary		VM Ma	nifolds					

^{***}Material test certificates will be provided for wetted parts only with chemical chemical composition testing. For others, please consult factory.

Note: In 2 SPDT Instruments, there may be an error of max ± 2% F. S. between Micro Switches at the set point.



- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

Applications

- Filter monitoring, boiler, furnace, railway engines
- Oil & gas, conventional & nuclear power plants, mines, iron & steel plants, refineries, petrochemical, food & pharmaceutical, chemical & fertilizer, cement, textile, pumps, glass, paint, pulp & paper, marine industries.

Specifications

Standard Version

Repeatability : $\pm 0.5\%$ F. S.

Scale unit : bar (inside enclosure)
Range : Refer "how to order"

Set point : Between 20 to 80% F. S. for better performance

Overpressure limit : 150% of F. S.
Differential : Fixed
Mounting : Direct / Panel
Process connection : 1/4" NPT (F)

Enclosure protection : W/P to IP 65 & Explosion proof, Class 1, Div. 2, : Gas Groups B, C & D (ExII2G, Eex d IIC T6)

Enclosure material Die cast aluminum

Maximum process temperature : 150 °C
Ambient temperature : -10 to 60 °C

Switch : 1 SPDT, snap action micro switch Switch rating : 15 A, 250 VAC, 0.2 A, 220 VDC

High voltage strength : 0.5 to 0.6 KV between open contacts and 2 KV between contacts and body

Insulation resistance : >100 M ohms at 500 V
Sensing element : Piston actuated diaphragm

DP chamber material : Aluminum (for range 5 to 600 mbar)

AISI 316 SS (for range 3 to 20 mbar & 1 to 25 bar)

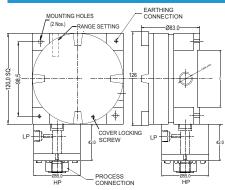
Sensing element material AISI 316L SS

Cable gland : ½"NPT (M) double compression

 Scale Accuracy
 : ± 1.0% F. S.

 Conformity
 : BS 6134

Dimensional Details



Notes: • Drawings are not to scale. • All Dimensions are in mm.

01-10-13

Design and specifications subject to change without notice

Diferential Pressure Switch (Explosion Proof) *Diaphragm Type*



How To	Order								Example
Basic Mo									
Range (*	Also available in AISI 3	16 SS & AISI 316	L version. Refe	er DP cha	mber materi	al)			
Orderii Code		DP Chamber Material	Ordering Code	Range (bar)	1	hamber iterial			
W020	3 to 20	AISI 316 SS	P001	0.1 to 1	AISI	316 SS			
W060	5 to 60	Aluminum*	P002	0.2 to 2	AISI	316 SS			
W100	10 to 100	Aluminum*	P004	0.4 to 4	AISI	316 SS			XXXX
W250	25 to 250	Aluminum*	P006	0.6 to 6	AISI	316 SS			
W400	40 to 400	Aluminum*	P010	1 to 10	AISI	316 SS			
W600	60 to 600	Aluminum*	P016	1 to 16	AISI	316 SS			
			P025	2 to 25	AISI	316 SS			
Note : Oth	ner equivalent scale uni	its like kg/cm², kPa	a, MPa, psi, mr	mWC etc	can be prov	ided on reque	st.		
DP Cham	ber Material								
	uminum (Standard for r SI 316 SS (Standard fo	•		ar only)	SL	AISI 316L	SS		XX
Sensing	Element Material								_
SL A	AISI 316L SS (Standar	d)							XX
Differenti		- /							-
	xed (Standard)								X
	SPDT = 3 to 5% FS								,
	SPDT = 4.5 to 7.5% FS DPDT = 4.5 to 7.5% FS								
		<u> </u>							_
	licro Switch	0.0007	45	4 DDDT					VV
	SPDT 29	S 2 SPDT	1D	1 DPDT					XX
		AC Doti	na AC Bat	lina F	DC Detine	Available		Available on	_
Switch Code	Description	AC Rati	ng AC Rat (Resist	•	DC Rating Inductive)	Available 1 SPD		Available on 2 SPDT	XXX
GPL	Low dead band and fi	ixed 15 A 250 \	2 A 24 V 0.4 A 110 0.2 A 220) V 0.4	A 24 V 4 A 110 V .2 A 220 V	Fixed differe	ntial of	Fixed differential of ZDD	
GPH	Standard dead band	15 A 250 \	6 A 24V 0.5 A 110 0.25 A 2	0.0	A 24 V 05 A 110 V 03 A 220 V	Fixed difference ZDD	ential of	Fixed differential of ZDD	
GPA	Adj. differential micro switch	15 A 250 \	/			Adj. different ZDD	ial of	NA	
GPG	Gold plated contact	1 A 125 V	0.5 A 28	V		Fixed different ZDD	ntial of	Fixed differential of ZDD	
SES	Environmentally sealer silver contact	ed 15 A 250 \	0.4 A 12	5 V		Fixed differe ZDD	ntial of	Fixed differential of ZDD	
SEG	Environmentally seale silver contact	ed	1 A 28 V			Fixed differe	ntial of	Fixed differential of ZDD	
HSS	Hermetically sealed silver plated	4 A 230 V	3 A 28 V	2 /	A 24 V	Fixed difference ZDD	ntial of	Fixed differential of ZDD	
HSG	Hermetically sealed gold plated	1 A 125 V	NA	N/	A	Fixed differe	ntial of	Fixed differential of ZDD	
HDC	High DC rating	10 A 125 \	/ 10 A 125	5 V 6 A	A 125 V	Fixed different ZDD	ntial of	Fixed differential of ZDD	
DPD	DPDT Micro switch	10 A 125 V	V 0.2 A 250) V		Fixed & adjudifferential of ZDD		NA	

Design and specifications subject to change without notice

Diferential Pressure Switch (Explosion Proof) *Diaphragm Type*



How	To Order										Examp
Calib	ration										
ı	Increasing	D	Decreasing								Х
roce	ess Connection	s (* Ple	ease mention	the flange face	and fla	ange finish)					
			Throug	h Adaptors		Flanged	(As per	ANSI B 16.5)*			
2NM	1/4" NPT (M)		3BM	3/8" BSP (M)	B09	1⁄2" 150 #	B21	1" 150 #	B39	2" 150 #	
2NF	1/4" NPT (F) (Standa	rd) 3BF	3/8" BSP (F)	B10	1/2" 300 #	B22	1" 300 #	B40	2" 300 #	
			4BM	1/2" BSP (M)	B11	1/2" 600 #	B23	1" 600 #	B41	2" 600 #	XXX
			4BF	1/2" BSP (F)	B15	3/4" 150 #	B33	1 ½" 150 #	B51	3" 150 #	
			4NM	1/2" NPT (M)	B16	3/4" 300 #	B34	1 ½" 300 #	B52	3" 300 #	
			4NF	1/2" NPT (F)	B17	3/4" 600 #	B35	1 ½" 600 #	B53	3" 600 #	
Cable	e Entry										
OTE ONP ECS	3/4" ET duel e 1/2" NPT (F) wi 3/4" ET DCC0	th one	, ,	-		T DCCG bras T DCCG brass T		½" NPT DC ½" NPT (F)	CCG with	ne entry plugged one entry plugged	
Optio	ons										
PW SX	Calibration cert	ificate		WM PM		nounting brack e mounting	et (steel	plated)			
ΓF	Conformity as p	er NAC	E Standard	JU		U	na bracki	et & 'U' Clamp	(AISL 30	4.55)	XXX
GH	Material test ce			FN		•	•	et & 'U' Clamp	`	,	
SG	Oxygen service		,0	PU		,	U		`	onal standards	
	ssories (refer i		al datasheet f	or complete sp	ecificati	ions)					
ЕВ	Cooling tower		ED	Over load prote	ector	EG	Snub	ber			
EC	Gauge cock			Needle valve		EH	Syph				XX
DS	Diaphragm se	als		Cooling capilla	rv	VM					

^{***}Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory.

Note: In 2 SPDT Instruments, there may be an error of max ± 2% F. S. between Micro Switches at the set point.

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.





- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

Applications

- Boiler, furnace, railway engines.
- Oil & gas, conventional & nuclear power plants, mines, iron & steel plants, refineries, petrochemical, food & pharmaceutical, chemical & fertilizer, cement, textile, glass, paint, pulp & paper, marine industries.

Specifications

Standard Version

Repeatability ± 0.5% F. S.

Scale unit bar

Range Refer "how to order"

Set point Between 20 to 80% F. S. for better performance

Over pressure limit 150% of F. S. Differential Fixed

Mounting Bottom / Panel Process connection 1/4" NPT (F) Enclosure protection W/P to IP 66

Enclosure material Pressure die cast aluminum

Maximum process temperature 150 °C Ambient temperature -10 to 60 °C

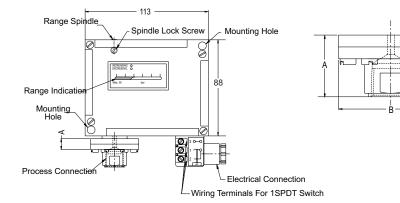
Switch 1 SPDT, snap action micro switch Switch rating 15 A, 250 VAC, 0.2 A, 220 VDC

High voltage strength 0.5 to 0.6 KV between open contacts and 2 KV between contacts and body

Insulation resistance >100 M ohms at 500 V Sensing element Piston actuated diaphragm

Other wetted parts AISI 316 SS Sensing element material AISI 316L SS Cable entry PG 13.5 mm Scale Accuracy ± 1.0% F. S. Conformity BS 6134

Dimensional Details



Range	Α	В
-20 to 100 mbar	28	100
250 to 600 mbar	28	80
-1 to 2 bar	28	55
0 to 16 bar	28	44
2 to 40 bar	28	40
-1 to 4 bar	28	44

- · Drawings are not to scale.
- · All Dimensions are in mm.

Х		
XX		
XXX		
		out notice
		without
		o change
		subject t
		cifications
		Design and specifications subject to change withou
		Design

low To										E
asic Mo	odel									
Range										
Ordering Code	g Range (mbar)	Ordering Code	Range (mbar)	Ordering Code	Range (bar)	Ordering Code	Range (bar)	Ordering Code	Range (bar)	
WC20	-20 to 20	W060	5 to 60	P001	0.1 to 1	P016	1 to 16	C005	-0.5 to 0.5	
WC40	-40 to 40	W100	10 to 100	P002	0.2 to 2	P025	2 to 25	C011	-1 to 1	
WC01	-1 to 2	W250	25 to 250	P004	0.4 to 4	P032	2 to 32	C012	-1 to 2	
W005	0.5 to 5	W400	40 to 400	P006	0.6 to 6	P040	2 to 40	C014	-1 to 4	
W020	3 to 20	W600	60 to 600	P010	1 to 10			V001	-1 to 0	
Note : Oth	her equivalent sca	ale units like	kg/cm², kPa, M	IPa, psi, mmW	C etc can b	e provided o	on request.			
Chamber	r Material									
	AISI 316 SS (Stai AISI 316L SS	ndard)	MO Monel HC Hastell	loy C (*		num* nbar to 600 r	mbar only)			
Sensing	Element Materia	I								
	AISI 316L SS (Sta VITON	andard)	BN BUNA			ELLOY C				
Different	ial									
	ixed (standard)		A Adjust	table						
<u>Note</u> : Fixed: 1	SDDT = 3 to 59	% E.S	Note: Adjustable: 1	SPDT = 5 to	12.5% F.S					
	SPDT = 4.5 to		2	SPDT = 7.5	to 19% F.S					
	DPDT = 4.5 to	7.5% F.S.	1	DPDT = 7.5	to 19% F.S					
	Micro Switch									
	SPDT		2S 2 SPDT	11	1 DPDT	-				
	vitch Rating									
Switch Code	Descrip	otion	AC Rating	AC Rating (Resistive			vailable on 1 SPDT		ilable on SPDT	
GPL	Low dead band	and fixed	15 A 250 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V	2 A 24 V 0.4 A 11 0.2 A 22	10 V ZPD	d differential	of Fixed di ZPD	fferential of	
GPH	Standard dead	band	15 A 250 V	6 A 24V 0.5 A 110 V 0.25 A 220 V	5 A 24 \ 0.05 A 1 / 0.03 A 2	10 V ZPD	ed differential	of Fixed dif ZPD	ferential of	_
GPA	Adj. differential switch	micro	15 A 250 V			Adj. ZPD	differential of	Adjustab of ZPD	le differential	
GPG	Gold plated cor	ıtact	1 A 125 V	0.5 A 28 V		Fixed ZPD	d differential	of Fixed dif	ferential of	
SES	Environmentally silver contact	/ sealed	15 A 250 V	0.4 A 125 V		Fixe ZPI	d differential	of Fixed dif	ferential of	
SEG	Environmentally silver contact	/ sealed		1 A 28 V		Fixe ZPI	d differential	of Fixed di ZPD	fferential of	
HSS	Hermetically se silver plated	aled	4 A 230 V	3 A 28 V	2 A 24 \	/ Fixe	d differential	of Fixed di ZPD	fferential of	
HSG	Hermetically se gold plated	aled	1 A 125 V	NA	NA	Fixe ZPD	d differential	of Fixed di	fferential of	
HDC	High DC rating		10 A 125 V	10 A 125 V	6 A 125	V Fixed ZPD	d differential	of Fixed dif	ferential of	
DPD	DPDT Micro sw	vitch	10 A 125 V	0.2 A 250 V			d & adjustabl			

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How	To Order									Examp
Calib	ration									
	Increasing D	ecreas	ing							X
Proce	ess Connections (* Pleas	se men	tion the flange face an	d flange	finish)					
		Throu	igh Adaptors		Flanged (A	s per Al	NSI B 16.5)*			
2NM	1/4" NPT (M)	3BM	3/8" BSP (M)	B09	1⁄2" 150 #	B21	1" 150 #	B39	2" 150 #	
2NF	1/4" NPT (F) (Standard)	3BF	3/8" BSP (F)	B10	1⁄2" 300 #	B22	1" 300 #	B40	2" 300 #	
		4BM	½" BSP (M)	B11	1⁄2" 600 #	B23	1" 600 #	B41	2" 600 #	XXX
		4BF	½" BSP (F)	B15	3/4" 150 #	B33	1 ½" 150 #	B51	3" 150 #	
		4NM	½" NPT (M)	B16	3/4" 300 #	B34	1 ½" 300 #	B52	3" 300 #	
		4NF	½" NPT (F)	B17	3/4" 600 #	B35	1 ½" 600 #	B53	3" 600 #	
Cable	e Entry									
DIN	DIN Connection*	ETE	3/4" ET	ECB	3/4" ET DC0	CG Bras	s 4PN 4	PIN Cor	nection*	
PGE	PG 13.5 (Std)	2NP	½" NPT (F)	NPB	1/2"NPT DCC	CG Bras	s 7PN 7	PIN Cor	nection	XXX
	3/4" ET DCCG SS 1 SPDT	NPS	1/2"NPT DCCG SS							
Optic										_
>W	Calibration certificate			WM	Wall mounti	ng bracl	ket (steel plated))		
SX	SS Tag plate			PM	2" Pipe mou	•	(·		
ΓF	Conformity as per NACE	Stand	ard	JU	2" Pipe/yoke	e mount	ing bracket & 'U	clamp	(AISI 304 SS)	V/V
ЭH	Material test certificates*	**		FN	2" Pipe/yoke	e mount	ing bracket & 'U	' clamp	(AISI 316 SS)	XX
SG	Oxygen service						-	·	,	
PU	Calibration certificate tra	ceable	to national/internationa	al standa	ards					
Acce	ssories (Refer individua	al datas	sheet for complete s	pecifica	tions)					
ЕВ	Cooling tower	ED	Overload protector	EG	Snubber					
EC	Gauge cock	NV4	Needle valve	EH	Syphon					
DS	Diaphragm seals	EL	Cooling capillary	VM	Manifolds					

^{***}Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory.

Note: In 2 SPDT Instruments, there may be an error of max \pm 2% F. S. between Micro Switches at the set point. Use common note as per other data sheets like specification and dimensions given in this product catalogue





- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

Applications

- Boiler, furnace
- Oil & gas, conventional & nuclear power
- Plants, mines, iron & steel plants, refineries,
- Petrochemical, food & pharmaceutical,
- Chemical & fertilizer, cement,
- Glass, paint, pulp & paper, marine industries and other hazardous applications

Specifications

Standard Version

Repeatability : $\pm 0.5\%$ F. S.

Scale Unit : bar (Inside Enclosure)
Range : Refer "how to order"

Set point : Between 20 to 80% F. S. for better performance

Over pressure limit : 150% of F. S. Differential : Fixed

Mounting : Bottom / Panel Process connection : 1/4" NPT (F)

Enclosure protection : W/P to IP 65 & Explosion proof, Class 1, Div. 2, Gas Groups B, C & D (ExII2G, Eex d IIC T6)

Enclosure material : Die cast aluminum

Maximum process temperature : 150 °C
Ambient temperature : -10 to 60 °C

Switch : 1 SPDT, snap action micro switch Switch rating : 15 A, 250 VAC, 0.2 A, 220 VDC

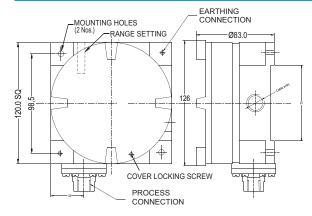
High voltage strength : 0.5 to 0.6 KV between open contacts and 2 KV between contacts and body

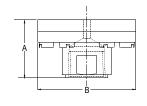
Insulation resistance : >100 M ohms at 500 V
Sensing element : Piston actuated diaphragm

Chamber material : AISI 316 SS Sensing element material : AISI 316L SS

Cable gland : ½"NPT (M) double compression

Dimensional Details





Range	Α	В
-20 to 100 mbar	28	100
250 to 600 mbar	28	80
-1 to 2 bar	28	55
0 to 16 bar	28	44
2 to 40 bar	28	40
-1 to 4 bar	28	44

Notes: • Drawings are not to scale. • All dimensions are in mm.



How To	Order									
Basic Mo	del									
Range										
Ordering Code	Range (mbar)	Ordering Code	Range (mbar)	Ordering Code	Range (bar)	Orde Co	_	Range (bar)	Ordering Code	Range (bar)
WC20	-20 to 20	W060	5 to 60	P001	0.1 to 1	P0	16	1 to 16	C005	-0.5 to 0.5
WC40	-40 to 40	W100	10 to 100	P002	0.2 to 2	P0	25	2 to 25	C011	-1 to 1
WC01	-1 to 2	W250	25 to 250	P004	0.4 to 4	P0	32	2 to 32	C012	-1 to 2
W005	0.5 to 5	W400	40 to 400	P006	0.6 to 6	P0	40	2 to 40	C014	-1 to 4
W020	3 to 20	W600	60 to 600	P010	1 to 10				V001	-1 to 0
Note : Oth	er equivalent so	cale units like	kg/cm², kPa, M	/IPa, psi, mmW0	C etc can b	e prov	ided o	n request.		
Chamber	Material									
	AISI 316 SS (sta	indard)	MO	Monel		AL /*Da		ninum*)	
	AISI 316L SS Element Materi	al	НС	Hastelloy C		("Ra	nges o	mbar to 600) mbar only)	
SL A	AISI 316L SS (st		BN TF	Buna Teflon		HC MO	Has Mon	telloy C		
Differenti				1011011		.,,,	141011	<u>. </u>		
	ked (standard)		Α	Adjustable						
1	SPDT = 3 to 5% SPDT = 4.5 to 7 DPDT = 4.5 to 7	7.5% FS	Adjusta		5 to 12.5% 7.5 to 19 7.5 to 19	% FS				
			2S 2	CDDT		1D	1 DPE)T		
	SPDT itch Rating		25 2	3701		טו	IDFL	71		
Switch Code	Descri	ption	AC Rating	AC Rating (Resistive)	DC Ra	_	A	vailable on 1 SPDT		ilable on SPDT
GPL	Low dead band	d and fixed	15 A 250 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V	2 A 24 0.4 A 1 0.2 A 2	10 V	Fixed	l differential	of Fixed dir	fferential of
GPH	Standard dead	l band	15 A 250 V	6 A 24V 0.5 A 110 V 0.25 A 220 V	5 A 24 V 0.05 A 2 0.03 A 2	110 V	Fixed ZPD	d differential	of Fixed dif ZPD	ferential of
GPA	Adj. differentia switch	I micro	15 A 250 V				Adj. d	lifferential of D	NA	
GPG	Gold plated co	ntact	1 A 125 V	0.5 A 28 V			Fixed ZPD	differential	of Fixed dif	ferential of
SES	Environmental silver contact	ly sealed	15 A 250 V	0.4 A 125 V			Fixed ZPD	differential	of Fixed dif	ferential of
SEG	Environmental silver contact	ly sealed		1 A 28 V			Fixed ZPD	d differential	of Fixed dir	fferential of
HSS	Hermetically so silver plated	ealed	4 A 230 V	3 A 28 V	2 A 24 \	V	Fixed ZPD	d differential	of Fixed di	fferential of
HSG	Hermetically so	ealed	1 A 125 V	NA	NA		Fixed ZPD	l differential	of Fixed dif ZPD	ferential of
HDC	High DC rating	J	10 A 125 V	10 A 125 V	6 A 125	i V	Fixed ZPD	differential	of Fixed dif ZPD	ferential of
DPD	DPDT Micro sv	witch	10 A 125 V	0.2 A 250 V				l & adjustabl ential of	e NA	

Pressure Switch (Explosion Proof) Diaphragm Type



How	/ To Order									Examp
Calib	ration									
	Increasing	D	Decreasing							Х
Proc	ess Connections (* Pleas	se men	tion the flange face a	ind flange	e finish)					
		Throu	igh Adaptors		Flanged (A	s per A	NSI B 16.5)*			
2NM	1/4" NPT (M)	3BM	3/8" BSP (M)	B09	½" 150 #	B21	1" 150 # [^]	B39	2" 150 #	
2NF	1/4" NPT (F) (Standard)	3BF	3/8" BSP (F)	B10	1/2" 300 #	B22	1" 300 #	B40	2" 300 #	
		4BM	½" BSP (M)	B11	1⁄2" 600 #	B23	1" 600 #	B41	2" 600 #	XXX
		4BF	1/2" BSP (F)	B15	3/4" 150 #	B33	1 ½" 150 #	B51	3" 150 #	
		4NM	½" NPT (M)	B16	3/4" 300 #	B34	1 ½" 300 #	B52	3" 300 #	
		4NF	½" NPT (F)	B17	3/4" 600 #	B35	1 ½" 600 #	B53	3" 600 #	
Cable	e Entry									
DTE	3/4" ET duel entry with o	ne entr	y plugged ECS	3/4" ET D	CCG SS [ocs	¾' ET DCCG wit	n one er	ntry plugged	
DNP	1/2" NPT (F) with one entr	y plugg	ged NPS	½"NPT D	CCG SS [DPS	1/2" NPT DCCG w	ith one	entry plugged	XXX
2NP	½" NPT (F)		ETE	3/4" ET	E	ECB	3/4" ET DCCG B	RASS		700
					N	NPB	½"NPT DCCG B	RASS		
Optio	ons									
PW	Calibration certificate		W	/ Wall	mounting brac	cket (st	eel plated)			
SX	SS Tag plate		PM	1 2" Pip	oe mounting					XX
TF	Conformity as per NACE						acket & 'U' clamp			^^
GH	Material test certificates*	**	FN		•	-	acket & 'U' clamp	•	,	
SG	Oxygen service		PU	Calibi	ration certifica	te trac	eable to national	/ interna	ational standards	
Acce	ssories (refer individua	l datas	heet for complete s	pecifica	tions)					
EB	Cooling tower	ED	Overload protector	EG	Snubber					
		NV4	Needle valve	EH	Syphon					
DS	Diaphragm seals	EL	Cooling capillary	VM	Manifolds					

^{***}Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory.

Note: In 2 SPDT Instruments, there may be an error of max ± 2% F. S. between micro switches at the set point.





- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

Applications

- Boiler, furnace, railway engines.
- Oil & gas, conventional & nuclear power plants, mines, iron & steel plants, refineries, petrochemical, hydraulics, food & pharmaceutical, chemical & fertilizer, cement, textile, glass, paint, pulp & paper, marine industries.

Specifications

Standard Version

Repeatability ± 1% F. S. Scale Unit bar

Range Refer "how to order"

Set point Between 20 to 80% F. S. for better performance

Over pressure limit 150% of F. S. Differential Fixed

Mounting Bottom / Panel Process connection 1/4" NPT (F) Enclosure protection W/P to IP 66

Enclosure material Pressure die cast aluminum

Maximum process temperature 150 °C Ambient temperature -10 to 60 °C

Switch 1 SPDT, snap action micro switch Switch rating 15 A, 250 VAC, 0.2 A, 220 VDC

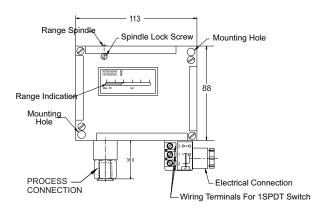
High voltage strength 0.5 to 0.6 KV between open contacts and 2 KV between

contacts and body

Insulation resistance >100 M ohms at 500 V

Sensing element Piston Wetted parts **AISI 316 SS** Cable entry PG 13.5 mm Scale Accuracy ± 1.0% F. S. Conformity BS 6134

Dimensional Details



Notes: • Drawings are not to scale. • All dimensions are in mm.

01-10-13

Pressure Switch (Weather Proof) Piston Type



How To	Order							Example
Basic Mo	del							
Range								
Ordering Code	Range (bar)	Ordering Code	Range (bar)	Ordering Code	Range (bar)			
PC60	5 to 60	P160	10 to 160	P400 4	40 to 400			XXXX
P100	10 to 100	P250	10 to 250	P600	60 to 600			
Note : Oth	ner equivalent so	cale units like	kg/cm², kPa, M	Pa, psi, mmWC	etc can be prov	vided on request.		
Wetted P	arts							
C6	AISI 316 SS (sta	ndard)	SL AISI	316L SS				XX
Differenti	al							
Note: Fixed: 1 2	xed (standard) SDDT = 3 to 5 SPDT = 4.5 to DPDT = 4.5 to	7.5% F.S.						X
Type of M	licro Switch							
1S 1	SPDT		2S 2 SPDT		1D 1 DPDT			XX
Micro Sw	itch Rating							
Switch Code	Descri	ption	AC Rating	AC Rating (Resistive)	DC Rating (Inductive)	Available on 1 SPDT	Available on 2 SPDT	XXX
GPL	Low dead ban	d and fixed	15 A 250 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V	Fixed differential of ZPP	Fixed differential of ZPP	
GPH	Standard dead	l band	15 A 250 V	6 A 24V 0.5 A 110 V 0.25 A 220 V	5 A 24 V 0.05 A 110 V 0.03 A 220 V	Fixed differential of ZPP	Fixed differential of ZPP	
GPA	Adj. differentia switch	l micro	15 A 250 V			Adj. differential of ZPP	NA	
GPG	Gold plated co	ntact	1 A 125 V	0.5 A 28 V		Fixed differential of ZPP	Fixed differential of ZPP	
SES	Environmental silver contact	ly sealed	15 A 250 V	0.4 A 125 V		Fixed differential of ZPP	Fixed differential of ZPP	
SEG	Environmental silver contact	ly sealed		1 A 28 V		Fixed differential of ZPP	Fixed differential of ZPP	
HSS	Hermetically so silver plated	ealed	4 A 230 V	3 A 28 V	2 A 24 V	Fixed differential of ZPP	Fixed differential of ZPP	
HSG	Hermetically so	ealed	1 A 125 V	NA	NA	Fixed differential of ZPP	Fixed differential of ZPP	
HDC	High DC rating	I	10 A 125 V	10 A 125 V	6 A 125 V	Fixed differential of ZPP	Fixed differential of ZPP	
DPD	DPDT Micro sv	witch	10 A 125 V	0.2 A 250 V		Fixed & adjustable differential of ZPP	NA	

01-10-13



Hov	v To Order									Example
Calib	oration									
ī	Increasing D D	ecreas	ing							X
Proc	ess Connections (* Pleas	se men	tion the flange face a	and flai	nge finish)					
		Throu	igh Adaptors		Flanged	(As per	ANSI B 16.	5)*		
2NM	1/4" NPT (M)	3BM	3/8" BSP (M)	B09	1⁄2" 150 #	B21	1" 150 #	B39	2" 150 #	
2NF	1/4" NPT (F) (Standard)	3BF	3/8" BSP (F)	B10	1⁄2" 300 #	B22	1" 300 #	B40	2" 300 #	
		4BM	1/2" BSP (M)	B11	1⁄2" 600 #	B23	1" 600 #	B41	2" 600 #	XXX
		4BF	1/2" BSP (F)	B15	3/4" 150 #	B33	1 ½" 150	# B51	3" 150 #	
		4NM	½" NPT (M)	B16	3/4" 300 #	B34	1 ½" 300	# B52	3" 300 #	
		4NF	½" NPT (F)	B17	3/4" 600 #	B35	1 ½" 600	# B53	3" 600 #	
Cabl	e Entry									
DIN	DIN Connection*	ETE	3/4" ET	ECB	3/4" ET DCC	G Brass	s 4PN	4 PIN Co	nnection*	
PGE	PG 13.5 (Std)	2NP	½" NPT (F)	NPB	1/2"NPT DCC	G Brass	s 7PN	7 PIN Co	nnection	XXX
	3/4" ET DCCG SS 1 SPDT	NPS	1/2"NPT DCCG SS							7000
Opti	ons									
PW	Calibration certificate			WM	Wall mountin	g brack	et (steel pla	ited)		
SX	SS Tag plate			PM	2" Pipe mour	nting		,		
GH	Material test certificates*	**		JU	2" Pipe/yoke	mounti	ng bracket &	ß 'U' clamp	(AISI 304 SS)	XX
SG	Oxygen service			FN	2" Pipe/yoke	mounti	ing bracket	& 'U' clamp	(AISI 316 SS)	
PU	Calibration certificate trac	ceable	to national/internatio	nal sta	ndards					
Acce	essories (refer individua	l datas	heet for complete s	specifi	cations)					
ЕВ	Cooling tower	ED	Overload protector	EG	Snubber					
EC	Gauge cock	NV4	Needle valve	EH	Syphon					
DS	Diaphragm seals	EL	Cooling capillary	VM	Manifolds					

^{***}Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory.

Note : In 2 SPDT Instruments, there may be an error of $\max \pm 2\%$ F. S. between micro switches at the set point.

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.

Modifications may take place and materials specified may be replaced by others without prior notice.





- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

Applications

- Boiler, furnace
- Oil & gas, conventional & nuclear power plants, mines, iron & steel plants, refineries, petrochemical, hydraulic, food & pharmaceutical, chemical & fertilizer, cement, glass, paint, pulp & paper, marine industries and other hazardous applications.

Specifications

Standard Version

Repeatability : \pm 1% F. S.

Scale unit : bar (inside enclosure)
Range : Refer "how to order"

Set point : Between 20 to 80% F. S. for better performance

Over pressure limit : 150% of F. S.
Differential : Fixed
Mounting : Bottom / Panel

Process connection : 1/4" NPT (F)

Enclosure protection : W/P to IP 65 & Explosion proof, Class 1, Div. 2, Gas Groups B, C & D (ExII2G, Eex d IIC T6)

Enclosure material Die cast aluminum

Maximum process temperature : $150 \, ^{\circ}\text{C}$ Ambient temperature : $-10 \text{ to } 60 \, ^{\circ}\text{C}$

Switch : 1 SPDT, snap action micro switch Switch rating : 15 A, 250 VAC, 0.2 A, 220 VDC

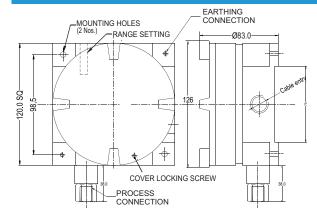
High voltage strength : 0.5 to 0.6 KV between open contacts and 2 KV between contacts and body

Insulation resistance : >100 M ohms at 500 V

Sensing element : Piston
Wetted parts : AISI 316 SS

Cable gland : ½"NPT (M) double compression

Dimensional Details



Notes: • Drawings are not to scale. • All dimensions are in mm.

01-10-13

Pressure Switch (Explosion Proof) Piston Type



How To (Order							Example
Basic Mo	del							
Range								_
Ordering Code	Range (bar)	Ordering Code	Range (bar)	Ordering Code	Range (bar)			
PC60	5 to 60	P160	10 to 160	P400	40 to 400			XXXX
P100	10 to 100	P250	10 to 250	P600	60 to 600			
Note : Oth	er equivalent so	cale units like	kg/cm², kPa, M	Pa, psi, mmW0	C etc can be prov	vided on request.		
Wetted Pa	ırts							
C6 A	ISI 316 SS (sta	ndard)	SL AISI	316L SS				XX
Differentia	al							_
Note: Fixed: 1:	sed (standard) SDDT = 3 to 5 SPDT = 4.5 to DPDT = 4.5 to icro Switch	7.5% F.S.						X
			20 0 CDDT		4B 4 DDDT			VV
	SPDT tch Rating		2S 2 SPDT		1D 1 DPDT			XX
Switch Code	Descri	ption	AC Rating	AC Rating (Resistive)	DC Rating (Inductive)	Available on 1 SPDT	Available on 2 SPDT	XXX
GPL	Low dead band	d and fixed	15 A 250 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V	Fixed differential of ZPP	Fixed differential of ZPP	_
GPH	Standard dead	l band	15 A 250 V	6 A 24V 0.5 A 110 V 0.25 A 220 V	5 A 24 V 0.05 A 110 V 0.03 A 220 V	Fixed differential of ZPP	Fixed differential of ZPP	_
GPA	Adj. differentia switch	l micro	15 A 250 V			Adj. differential of ZPP	NA	
GPG	Gold plated co	ntact	1 A 125 V	0.5 A 28 V		Fixed differential of ZPP	Fixed differential of ZPP	
SES	Environmental silver contact	ly sealed	15 A 250 V	0.4 A 125 V		Fixed differential of ZPP	Fixed differential of ZPP	
SEG	Environmental silver contact	ly sealed		1 A 28 V		Fixed differential of ZPP	Fixed differential of ZPP	_
HSS	Hermetically se silver plated	ealed	4 A 230 V	3 A 28 V	2 A 24 V	Fixed differential of ZPP	Fixed differential of ZPP	
HSG	Hermetically se	ealed	1 A 125 V	NA	NA	Fixed differential of ZPP	Fixed differential of ZPP	
HDC	High DC rating	I	10 A 125 V	10 A 125 V	6 A 125 V	Fixed differential of ZPP	Fixed differential of ZPP	
DPD	DPDT Micro sv	witch	10 A 125 V	0.2 A 250 V		Fixed & adjustable differential of ZPP	NA	

How	To Order											Exampl
Calib	ration											
I	Increasing D	Decreas	sing									Х
Proc	ess Connections (* Ple	ase men	tion the flar	ige face	e and fla	nge finish)						_
		Throu	igh Adaptor	S		Flanged	(As per	ANSI B	3 16.5)*			
2NM	1/4" NPT (M)	3BM	3/8" BSP	(M)	B09	1⁄2" 150 #	B21	1" 150) #	B39	2" 150 #	
2NF	1/4" NPT (F) (Standard) 3BF	3/8" BSP	(F)	B10	1⁄2" 300 #	B22	1" 300) #	B40	2" 300 #	
		4BM	1/2" BSP (I	M)	B11	1⁄2" 600 #	B23	1" 600) #	B41	2" 600 #	XXX
		4BF	1/2" BSP (F	=)	B15	3/4" 150 #	B33	1 ½"	150 #	B51	3" 150 #	
		4NM	1/2" NPT (I	۷)	B16	3/4" 300 #	B34	1 ½";	300 #	B52	3" 300 #	
		4NF	½" NPT (F	=)	B17	3/4" 600 #	B35	1 ½"	600#	B53	3" 600 #	
Cable	e Entry											
DTE	3/4" ET duel entry with	n one ent	try plugged	ECB	3/4" E	T DCCG bras	s DCS	S 3/4' E	ET DCCG	with o	one entry plugged	
DNP	1/2" NPT (F) with one 6	entry plug	ged	NPB	1/2"NP	Γ DCCG brass	s DPS	3 ½" l	NPT DCC	G with	n one entry plugged	XXX
ECS	3/4" ET DCCG SS			ETE	3/4" E	Т	2NF	1 /₂"	NPT (F)			
							NPS	3 ½"N	NPT DCC	G SS		
Optio	ons											
PW	Calibration certificate			WM	Wall mo	ounting brack	et (steel	plated)				
SX	SS Tag plate			PM	2" Pipe	mounting						
TF	Conformity as per NAC	E Standa	ard	JU	2" Pipe	/yoke mountir	ng bracke	et & 'U'	Clamp (A	ISI 30	4 SS)	XX
GH	Material test certificate	s***		FN	2" Pipe	/yoke mountir	ng brack	et & 'U'	Clamp (A	ISI 31	6 SS)	
SG	Oxygen service			PU	Calibrat	tion certificate	traceab	le to na	itional / int	ternati	onal standards	
Acce	ssories (refer individu	al datas	heet for co	mplete	specific	cations)						
EB	Cooling tower			ED	Overlo	ad protector	EG	Snu	ubber			
	Gauge cock			NV4	Needle	e valve	EH	Syp	hon			
DS	Diaphragm seals			EL	Coolin	g capillary	VM	Mai	nifolds			

^{***}Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory.

Note: In 2 SPDT Instruments, there may be an error of max ± 2% F. S. between micro switches at the set point.





- Fixed dead band (optional)
- Weatherproof to IP66
- Sleek & reliable
- Field adjustable
- High repeatability

Application

- Railways
- Compressors & boilers
- Water treatment
- Fire fighting systems
- Lubrication industries

Specifications

Standard Version

Repeatability : ± 1% F. S.
Range : Refer "how to order"

Mounting : Bottom / Panel Process connection : 3/8" BSP (M) Enclosure protection : W/P to IP 66

Enclosure material : Pressure die cast aluminum

Maximum process temperature : 150 °C
Ambient temperature : -10 to 60 °C

Switch : 1 SPDT (adjustable)
Switch rating : 15 A, 250 VAC & 0.4 A,

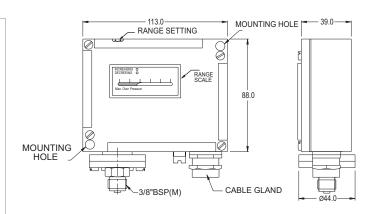
110 VDC

Sensing element : Diaphragm, AISI 316L SS

Other wetted parts : AISI 304 SS
Process medium : Air, oil & water
Scale Accuracy : ± 3.0% F. S.

Electrical connection : PG 13.5 mm cable gland

Dimensional Details



Notes: • Drawings are not to scale. • All dimensions are in mm.

How To Order Example
Basic model

Range

range			
Ordering code	Model no.	Range (bar)	Differential (bar)
VA	CNI - VAC	-1 to 0	0.1 to 0.50
WC	CNI - WC	0 to 300 cmWC	10 to 50 cmWC
1	CNI - 1	0.1 to 1.1	0.08 to 0.20
3	CNI - 3	0.4 to 4	0.08 to 0.30
6	CNI - 6	0.6 to 6	0.25 to 1.5
10	CNI - 10	1 to 10	0.3 to 1.3
16	CNI - 16	1 to 16	1 to 5
30	CNI - 30	2 to 32	1 to 5
40	CNI - 40	4 to 40	2 to 6

Note: Other equivalent scales units like kg/cm², kPa, MPa, psi, mmWC etc can be provided on request.

Calibration

I Increasing D Decreasing (not applicable for adj. differential)

Options

-								
PW	Calibration certificate	4NM	½" NPT (M) adaptor	SX	SS Tag plate	DC	Double compression	XX
1F	1 SPDT switch with fixed dead band	4NF	½" NPT (F) adaptor	WM	Wall mounting bracket	t	cable gland	OR
2F	2 SPDT switch with fixed dead band	S6	Wetted parts AISI 316 SS	PM	2" Pipe mounting	SG	Oxygen service	XXX

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.

OR

Χ





- Compact
- Economical
- Reliable
- Field adjustable
- Copper alloy wetted parts
- Auto reset

Applications

- Boilers
- Water treatment
- Fire fighting systems
- Lubrication industries
- Compressors / chillers

Specifications

Standard Version

Repeatability ± 2% F. S. Accuracy ± 5% F. S. Scale unit bar with psi Range 0 to 4 bar / 58 psi

Differential Fixed Direct / Panel Mounting

Mounting accessories Mounting bracket with

screws

Process connection Refer "how to order"

Enclosure protection IP 32

Enclosure material Steel (plated) with

plastic cover 100 °C

Maximum process temperature

Ambient temperature -10 to 60 °C

1 SPDT Switch

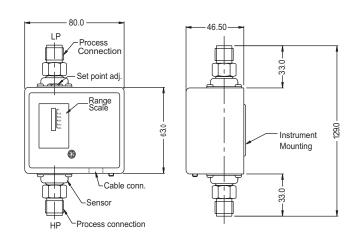
Switch rating 15 A, 220 VAC & 10 A,

24 VDC

Phosphor bronze bellows Sensing element

Process medium Air, oil & water

Dimensional Details



Notes: • Drawings are not to scale. • All Dimensions are in mm.

How To O	der					
Basic mode	el					
Range						
Ordering	Model No.		nge ar)		rential ar)	Process Connection
Code	woder No.	Min	Max	Min	Max	
IS	UDPR	0.5	4	-	0.4	3/8" BSP (M)
RA	UDPR	0.5	4	_	0.4	1/4" Flared
Options (* a	pplicable for ind	ustrial swi	tch only)			
PW Calibr	ation certificate		SX	SS Tag pla	ate	3NM 3/8" N

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.





- Compact & economical
- Reliable
- Field adjustable
- Auto reset

Applications

- Boilers
- Water treatment
- Fire fighting systems
- Compressors

Specifications

Standard Version

Repeatability ± 2% F. S. Accuracy ± 5% F. S. bar with psi Scale unit

Range Refer "How to order"

Differential Adjustable Mounting Bottom / Panel Mounting accessories Mounting bracket with

screws

Process connection 1/4" BSP (F) IP 32

Enclosure protection

Enclosure material Steel (plated) with

plastic cover

Maximum process temperature 100 °C Ambient temperature -10 to 60 °C

Switch 1 SPDT

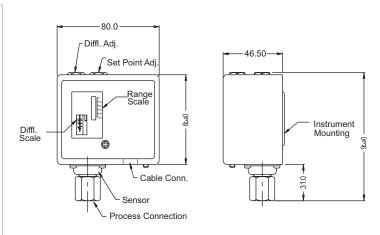
Switch rating 15 A, 220 VAC & 10 A,

24 VDC

Phosphor bronze bellows Sensing element

Process medium Air, oil & water

Dimensional Details



Notes: • Drawings are not to scale. • All Dimensions are in mm.

How To Order Basic model

Kange					
Ordering	Model No.		nge ar)		rential ar)
Code	woder No.	Min	Max	Min	Max
3	UT3	0	3	0.25	1.5
6	UT6	0	6	0.6	3
10	UT10	0	10	1	3
16	UT16	3	16	1	4
20	UT20	5	20	2	5
30	LIT30	5	30	5	12

Opti	ons (* through adaptors)							
PW	Calibration certificate	2NM	1/4" NPT (M)*	2NF	1/4" NPT (F)*	SX	SS Tag plate	XX

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.

Example

OR





- Manual & auto reset
- Compact
- Economical
- Reliable
- Field adjustable

Application

- Chiller units
- Compressors

Specifications

Standard Version

Repeatability ± 2% F. S. ± 5% F. S. Accuracy Scale unit bar with psi Range Refer "how to order"

Differential

Adjustable for single & dual, fixed for dual (optional)

Mounting Bottom / Panel

Mounting bracket with screws Mounting accessories

1/4" Flared Process connection Enclosure protection IP 32

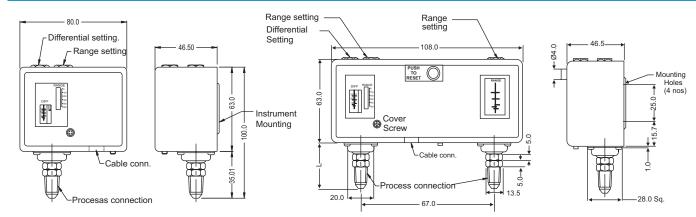
Enclosure material Steel (plated) with plastic cover

Maximum process temperature 100 °C -10 to 60 °C Ambient temperature Switch 1 SPDT

Switch rating 15 A, 220 VAC & 10 A, 24 VDC Sensing element Phosphor bronze bellows

Process medium Air, oil & water

Dimensional Details



Notes: • Drawings are not to scale. • All Dimensions are in mm.

Design and specifications subject to change without notice

Single & Dual Pressure Switch *Bellow Type (Refrigeration & Air Conditioning)*



asic Model								Exa
ange								
ingle Switch								
Ordering Code	Pressure	Pressure Model No.		nge ar)		rential ar)	Reset	
			Min	Max	Min	Max		
6R	Low	UT6R	-0.5	6	0.6	3	Auto) X
6M	High	UT6RM	-0.5	6	Fixed ≤ 1		Manual	OR
30R	Low	UT30R	5	30	5	10	Auto	X
30M	High	UT30RM	8	30	Fixe	d <u><</u> 4	Manual	
ual Switch	·							
Ordering Code	Pressure	Pressure Model No.	Range (bar)			rential ar)	Reset	
			Min	Max	Min	Max		
630R	Low	UTD630R	-0.5	6	0.6	3	Auto	
-	High		8	30	Fixe	d 3-5	Auto	
630M	Low	UTD630M	-0.5	6	0.6	3	Auto	
	High		8	30	Fix	ed 4	Manual	
ptions (*for o	lual pressure swit	ch only.)						
W Calibration	on certificate	SX SS Tag	nlato	FD Fix	ed differential	·		

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